

ABSTRACT OF THE INVENTION

Methods of using one or more agonists or antagonists to modulate activity of the members of the TNF and TNFR families referred to as TALL-1, APRIL, TACI, and BCMA are provided. The methods include *in vitro*, *in situ*, and/or *in vivo* diagnosis and/or treatment of mammalian cells or pathological conditions associated with TALL-1, APRIL, TACI, or BCMA, using one or more agonist or antagonist molecules. The methods of treatment disclosed by the invention include methods of treating immune related diseases and cancer.